

ABSTRACT OF THE DISCLOSURE

A booster circuit is equipped with booster control section that detects a power supply voltage and an actual booster voltage. The booster control section sets a target booster voltage. The booster control section 200 sets a duty ratio to eliminate a deviation between the target booster voltage and the actual booster voltage. The booster control section calculates a correction value based on an input voltage change obtained from the power supply voltage. The booster control section provides feedback control by correcting a duty ratio using the correction value, and turning on and off a transistor based on the corrected duty ratio.